Alexander Weimer

Electrical Engineering Student at University of Minnesota, Minnesota, USA

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Experience

Independent Research Lead   *Minnetonka, MN*
Minnetonka Research   *Sep 2024–Jun 2025*
- Led a yearlong project developing a machine learning model for reading Gregg shorthand.
- Preprint: **doi.org/10.31224/4661**, Model Repository: **doi.org/10.57967/hf/5604**

Research Intern   *Stockholm, Sweden*
KTH Royal Institute of Technology   *Jun 2023–Jul 2023*
- Led a project in Materials Engineering under the mentorship of Dr. Antonio Capezza.
- Presented a talk about my research at the Swedish National Museum of Science and Technology.

Education

University of Minnesota   *Minneapolis, Minnesota*
Bachelors of Electrical Engineering   *2025–2028 (est.)*

Minnetonka High School   *Minnetonka, Minnesota*
AP International Diploma | Dual Enrollment @ SCSU & Normandale Community College   *2021–2025*
- GPA: 4.4 Weighted / 3.8 Unweighted
- Activities: Speech & Debate (Captain), Minnetonka Research, Cultural Fair, $\Delta E \Phi$

Volunteering

Camp Lecturer, Counselor   *Minnetonka, MN*
Minnetonka Community Education   *Jun 2021, August 2023–Present*
- Taught middle school speech/debate camps for several years. Counselor at science camp.

Honors/Awards

Category 1st Place—Robotics & Intelligent Machines (ISEF 2nd Alternate), TCRSF	**Mar 2025**
National Merit Scholar, National Merit Scholarship Program	**Apr 2025**
Degree of Special Distinction, National Speech & Debate Honor Society	**Nov 2024**
AP International Diploma, College Board	**Jul 2024**
National German Exam Level 4 Gold award (91st percentile), AATG	**Mar 2024**
Minnesota Platinum Bilingual Seal (German & English), Minnesota Dept. of Education	**Feb 2024**

Skills

Languages	Javascript/Typescript, React, Python, Java, Matlab
Tooling	Solidworks, Git, LaTeX, Linux, Shell (Bash, Zsh)
Soft Skills	Collaborative software development, public speaking, academic/professional writing

Languages

Swedish	Native proficiency
English	Native proficiency
German	Professional working proficiency